



Navy Environmental Quality Fact Sheet



Do you perform traffic control at your facility?

Would you like to improve this process in the following areas?

- **Meet environmental compliance regulations.** Comply with Executive Order 13101 requirements and EPA comprehensive procurement guidelines by purchasing recycled content transportation products. Media area is solid waste.
- **Improve workers' safety and health.** No change to current operations.
- **Increase productivity.** No change to current operations.
- **Save money.** Many items cost less than virgin content transportation products. Additionally, there is a cost avoidance benefit derived from recycling rather than disposal.



Recycled Content Transportation Products

Federal procurement guidelines and directives require Department of Defense agencies to purchase recycled content products for EPA designated items. Certain products used for transportation control such as traffic cones, parking stops, traffic barricades, channelizers, and delineators have been designated by EPA to contain recycled content. Traffic cones used to mark road hazards or to direct traffic can be constructed of 50 to 100% recovered plastic and crumb rubber. Parking stops are used to mark spaces and keep vehicles from rolling beyond a designated parking area. EPA's designation specifically covers parking stops made from concrete or containing recovered plastic or rubber. Traffic barricades, channelizers, and delineators can be used to restrict or redirect traffic. The supporting frames and rails of barricades can be manufactured from up to 100% post-consumer or recovered plastic, steel, or fiberglass. Channelizers and delineators can be manufactured from recovered and postconsumer high-density polyethylene and rubber.

How can you achieve these improvements?

Purchase recycled content transportation products.

How does this method work?

Recycled content transportation products can be used in an identical manner as virgin content products, but are made from materials that would otherwise go into the landfill.

How will this method save you money?

Affirmative procurement stimulates recycling markets. As a result, you can avoid paying disposal costs for material that would normally be sent to a landfill by recycling it to generate revenue. Some recycled content construction materials are also less expensive than virgin content construction materials.



How can this method eliminate or reduce pollution?

Purchasing recycled-content products increases the recycled-product market and reduces the disposal of recyclable materials. Implementation will result in the following pollution reductions:

- Reduce solid waste disposal in landfills or incinerators.
- Reduce solid waste transported off-site from Navy installations.
- Reduce the quantity of waste generated from the manufacturing process using raw or virgin materials.

Which applications can benefit most from this method?

Recycled content transportation products can be used for traffic control at all Navy shore installations.

How can this method reduce regulatory compliance concerns?



Purchasing recycled content transportation products will result in the following regulatory compliance benefits:

- Helps facilities comply with the waste reduction and affirmative procurement requirements of Executive Order 13101.
- Helps facilities comply with 40 CFR 247 and meet the EPA's recovered materials advisory notice.
- May help facilities meet solid waste reduction goals including the Department of Defense Measure of Merit goal to ensure the diversion rate for non-hazardous solid waste is greater than 40% by the year 2005.

Achieving Environmental Compliance Through Pollution Prevention

Every day the Navy faces the challenge of operating and maintaining the fleet while complying with environmental regulations. This burden can be reduced by using pollution prevention technologies and methods to reduce compliance requirements. This fact sheet is one in a series designed to encourage activities to use pollution prevention technologies and methods. The overall goal of this series is to promote sustained environmental compliance at the lowest life-cycle cost.

For additional information, contact:

Information on recycled content transportation products can be found on the US EPA Comprehensive Procurement Guidelines web site (**Web:** <http://www.epa.gov/epaoswer/non-hw/procure/products.htm#trans>).

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